

Converting Colors

XYZ(22.9604, 12.4163, 74.7714)

Have a look what the booklet for
XYZ(22.9604, 12.4163, 74.7714)
contains.

XYZ(22.9379, 12.3792, 74.5793)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.9379, 12.3792,
74.5793)**

Conversions

Conversions Part 1

Format	Color
Hex	7639E4
RGB	118, 57, 228
RGB Percent	46%, 22%, 89%
CMY	0.5372, 0.7765, 0.1059
CMYK	0.48, 0.75, 0.00, 0.11
HSL	261°, 76%, 56%
HSV	261°, 75%, 89%
XYZ	22.9379, 12.3792, 74.5793
YIQ	94.7330, -18.5350, 66.1130

Conversions

Conversions Part 2

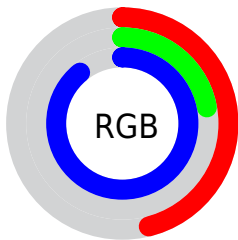
Format	Color
R _{YB}	118, 57, 228
Decimal	7748068
CIE _{Lab}	41.81, 62.11, -76.62
CIE _{LCh}	42, 98.630, 309.026
Yxy	12.3792, 0.2087, 0.1126
Android (android.graphics.Color)	4285938148 (0xFF7639E4)
YUV	94.7330, 65.7006, 20.4052
Hunter-Lab	35.1841, 54.7991, -101.0475

Details

The XYZ color **22.9379, 12.3792, 74.5793** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **44.4173, 63.9974, 13.8825**, and the grayscale version is **10.6654, 11.2209, 12.2195**.

A 20% lighter version of the original color is **42.2163, 27.9556, 97.7787**, and **8.7669, 3.6703, 38.7745** is the 20% darker color. If you saturate the color by 10%, you get **20.2139, 9.6606, 74.1984**, and if you desaturate by 10%, it is **26.4786, 16.2692, 75.1438**.

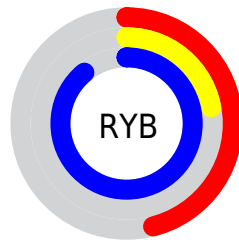
Distribution



Red (46%)

Green (22%)

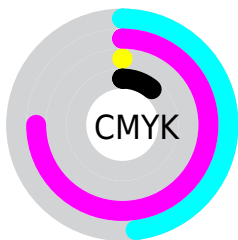
Blue (89%)



Red (46%)

Yellow (22%)

Blue (89%)

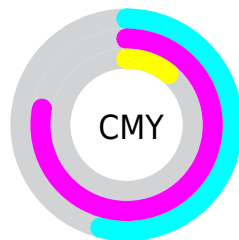


Cyan (48%)

Magenta (75%)

Yellow (0%)

Black (11%)



Cyan (54%)

Magenta (78%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9379, 12.3792, 74.5793 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.9379, 12.3792, 74.5793 by changing the saturation by 10% instead.

■ 22.9379, 12.3792,
74.5793

■ 22.9379, 12.3792,
74.5793

259.9472,
206.8998, 495.6871

■ 14.6681, 7.0025,
54.7687

■ 47.7587, 30.1839,
127.4583

■ 8.6716, 3.4637,
38.8192

■ 65.0405, 43.3806,
161.3637

■ 4.5830, 1.3783,
26.3123

■ 86.0570, 59.9529,
200.8044

■ 2.0369, 0.2007,
16.8296

■ 111.1735, 80.2849,
246.1991

■ 0.6546, 0.0000,
9.9524

■ 140.7554,
104.7613, 297.9661

■ 0.0000, 0.0000,
5.2622

■ 175.1681,

■ 0.0000, 0.0000,

133.7663, 356.5241

2.3405

214.7769,
167.6843, 422.2916

■ 0.0000, 0.0000,
0.7538

■ 0.0000, 0.0000,
0.0000

■ 22.9379, 12.3792,
74.5793

■ 22.9379, 12.3792,
74.5793

■ 20.2139, 9.6606,
74.1984

■ 26.4786, 16.2692,
75.1438

■ 18.2165, 7.9578,
73.9750

■ 30.9073, 21.4567,
75.9117

■ 17.4262, 7.3659,
73.9024

■ 36.2888, 28.0517,
76.9010

■ 42.6810, 36.1522,
78.1277

50.1367, 45.8469,
79.6060

58.7047, 57.2178,
81.3492

68.4309, 70.3409,
83.3696

79.3583, 85.2876,
85.6787

89.1876, 97.4453,
87.5073

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.0968, 12.3792, 104.1926



22.9379, 12.3792, 74.5793



30.2266, 12.3792, 33.4724

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.9379, 12.3792, 74.5793



17.5088, 12.3792, 0.0000



2.6589, 12.3792, 20.7810

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.9379, 12.3792, 74.5793



44.4173, 63.9974, 13.8825

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.9480, 12.3792, 3.6306



22.9379, 12.3792, 74.5793



9.7075, 12.3792, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.9379, 12.3792, 74.5793



26.2989, 12.3792, 0.6981



4.9792, 12.3792, 0.0000



3.9077, 12.3792, 57.6315

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.9379, 12.3792, 74.5793



31.9925, 12.3792, 14.1704



4.9792, 12.3792, 0.0000



2.5959, 12.3792, 12.8101

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.9386, 12.3795, 74.5796



66.5657, 61.6516, 102.9993



29.7213, 34.5320, 78.4980



13.4446, 12.1403, 21.8847



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.9386, 12.3795, 74.5796



24.5170, 11.0859, 95.4554



39.9188, 21.1331, 75.3743



14.0656, 14.1361, 18.1315



10.1798, 4.3138, 42.6793



0.8506, 0.3695, 3.1585

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.4327, 22.2101, 38.7127



49.1533, 24.9988, 41.8330



32.0185, 57.6056, 13.3022



14.7654, 14.5233, 16.9649



21.5592, 10.7579, 17.1053



1.6370, 0.8125, 1.4952

Previews

White Background



This preview shows how the XYZ color 22.9379, 12.3792, 74.5793 looks on a white background.

Color Contrast Check

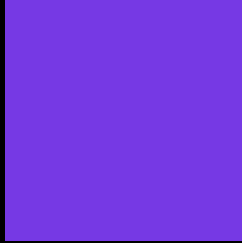
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.9379, 12.3792, 74.5793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

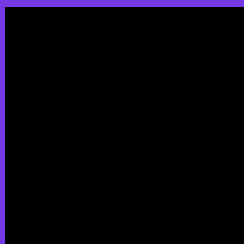
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9379, 12.3792, 74.5793

Background



This preview shows how black text looks on a background with the XYZ color 22.9379, 12.3792, 74.5793.



This preview shows how white text looks on a background with the XYZ color 22.9379, 12.3792,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.9379, 12.3792, 74.5793

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.1001, 12.2859, 40.7634



Tritanopia

11.2517, 12.3899, 16.2665

Trichromacy



Original Color

22.9379, 12.3792, 74.5793

Protanomaly

15.5715, 11.0516, 62.2852

Deuteranomaly

13.7592, 10.8164, 51.2318

Tritanomaly

13.9530, 11.3607, 31.1632

Monochromacy



Original Color

22.9379, 12.3792, 74.5793

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.4939, 10.7516, 27.3507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9379, 12.3792, 74.5793 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 57, 228)` looks like.

```
.text, #text, p{  
    color:rgb(118, 57, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 57, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 57, 228) }
```

Border

The CSS property to change the border of an element to XYZ 22.9379, 12.3792, 74.5793 is called "border". The border property can be set on classes, ids or directly on the HTML element.

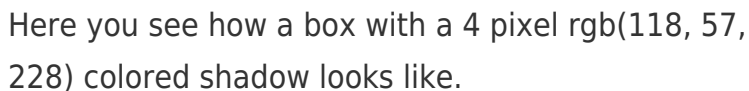
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 57, 228) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(118, 57, 228) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(118, 57, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 57, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 57, 228); box-shadow:4px 4px 4px 4px rgb(118, 57, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9379, 12.3792, 74.5793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 57, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118, 57,  
228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor